

Abstract

An asbestos free, calcium silicate insulating material, suitable for use in applications where a tough, fire resistant, heat insulating, electrical insulating, and corrosion resistant material is desirable. The calcium silicate insulating material is produced by combining Portland cement, blast furnace slag cement, a siliceous component, wollastonite and organic fibrous material in the presence of water to form a slurry. The slurry is then placed under steam pressure, to react the portland cement, blast furnace slag cement, siliceous component and water, dried, and heat treated if necessary.